

AUTOMATIC GAIN CONTROLLER FOR PREVENTING PEAKING IN OPTICAL DISC REPRODUCING SYSTEM AND METHOD THEREFOR

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Abstract of the Disclosure

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An automatic gain controller (AGC) for preventing peaking in an optical disc reproducing system includes a capacitor for being charged to a voltage corresponding to a control current as a control voltage; an amplifier for inputting the optical disc reproducing signal as an input signal, amplifying the input signal by a gain corresponding to the control voltage, and generating the amplified input signal as the output signal; a peak detector for detecting a peak voltage in the output signal; a gm amplifier for converting a peak voltage detected by the peak detector into current and generating the converted current as the control current; and a peaking controller for preventing the capacitor from being charged by the control current in a defect section in the input signal, in response to a peaking control signal, and for maintaining a control voltage in the defect section to be the same as the prior to the defect section. The AGC is capable of maintaining the control voltage for controlling the AGC in the defect section to a control voltage of a normal state. Therefore, when a normal signal is input following the defect section signal, the AGC is capable of preventing the generation of peaking in the AGC output signal by the capacitor C1 maintaining its normal voltage.

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